

Weekly report (2017-8-07 ----- 2017-8-13)

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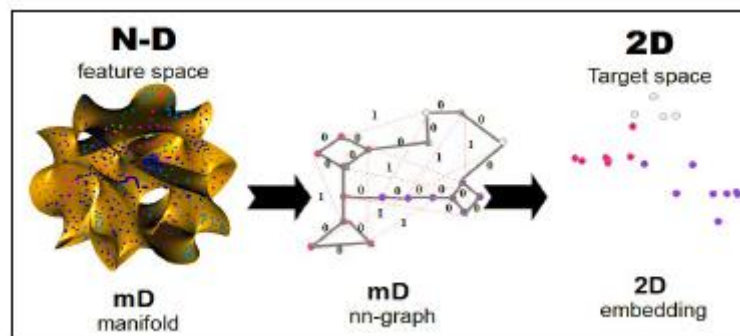
1. Programming

Realized the Classical Multi-Dimensional Scaling(CMDS) in the paper of ivhd.

2. Research

2.1 paper reading

1. ivhd: A fast and simple algorithm for embedding large and high-dimensional data



This paper represents the source data as nn-graph, not like the others which use the distance matrix. This method only needs to store only a few nn nearest neighbors that can handle big multidimensional data. This paper is based on the classical MDS method.

3. Tasks in the near future

1. Implemented the algorithms used in the paper.
2. Find more previous papers that are related with knn and MDS/t-SNE/LargeVis.